

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062771.D
 Acq On : 28 May 2019 20:13
 Operator : FY/SY
 Sample : K3072-07
 Misc : 5.76g/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-7

Quant Time: May 29 01:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	659773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1107872	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.93	117	853719	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	343217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	212549	45.59	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.18%	
35) Dibromofluoromethane	4.33	113	392715	46.32	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.64%	
50) Toluene-d8	7.73	98	873305	43.15	ug/l	0.01
Spiked Amount 50.000			Recovery	=	86.30%	
62) 4-Bromofluorobenzene	11.50	95	313734	40.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.74%	

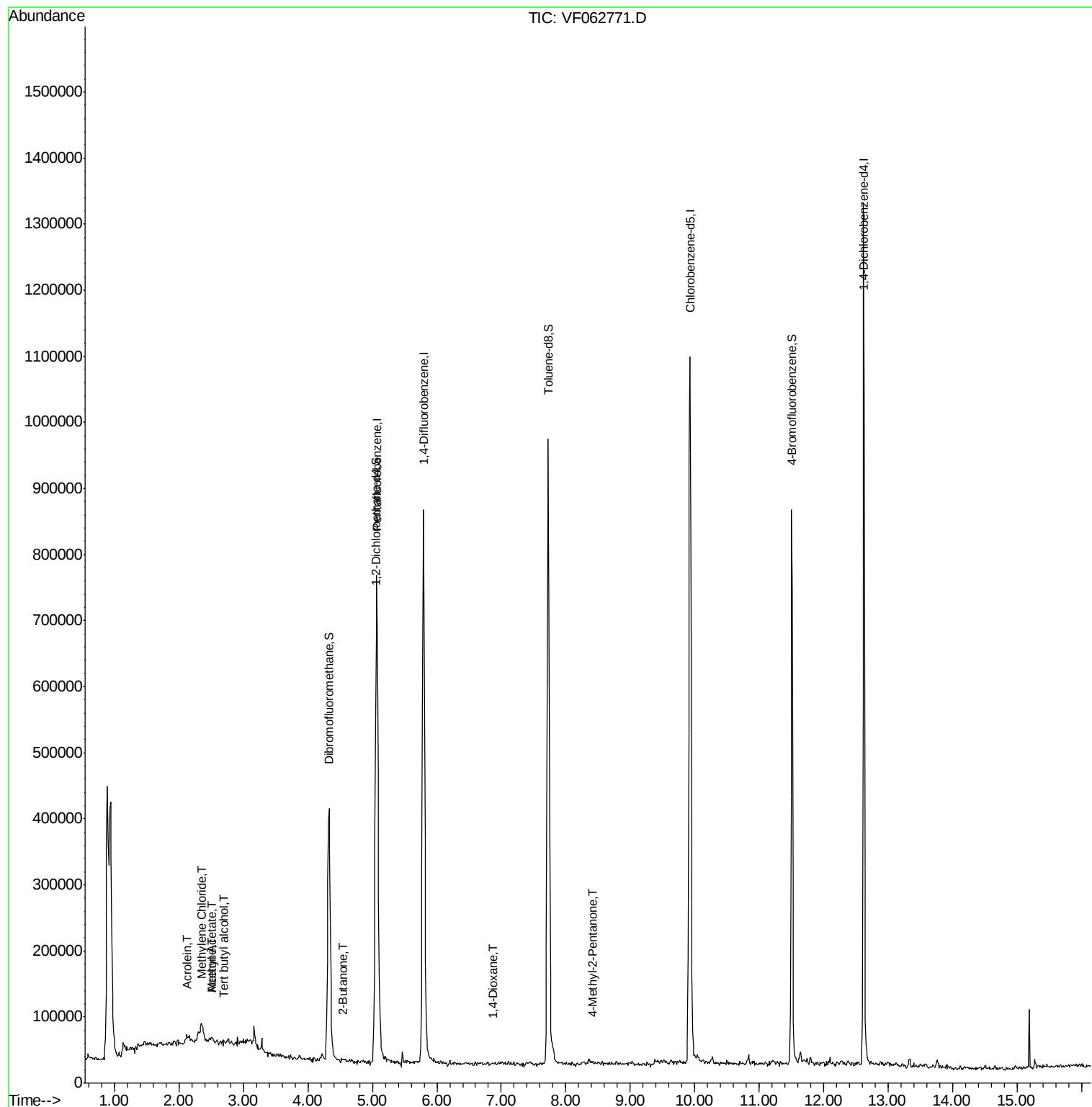
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	560	1.819	ug/l #	1
13) Acrolein	2.11	56	704	2.191	ug/l #	1
16) Acetone	2.50	43	4590	3.795	ug/l	92
18) Methyl Acetate	2.51	43	7208	3.792	ug/l #	66
20) Methylene Chloride	2.34	84	25672	4.234	ug/l	87
25) 2-Butanone	4.55	43	2632	1.019	ug/l	100
49) 1,4-Dioxane	6.88	88	98	2.438	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	4217	1.027	ug/l #	76
59) 2-Hexanone	9.69	43	1303	Below Cal		93
74) N-amyl acetate	11.44	43	2335	Below Cal	#	54

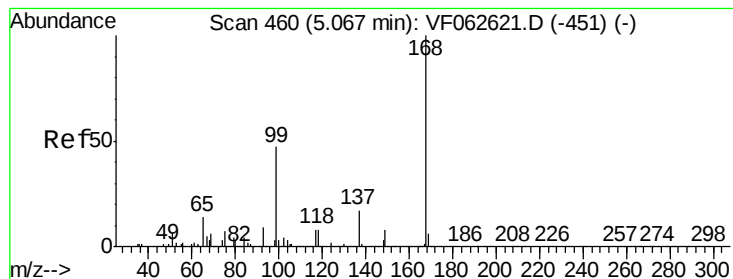
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052819\
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Quant Time: May 29 01:50:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062771.D

Acq: 28 May 2019 20:13

Instrument :

MSVOA_F

ClientSampled :

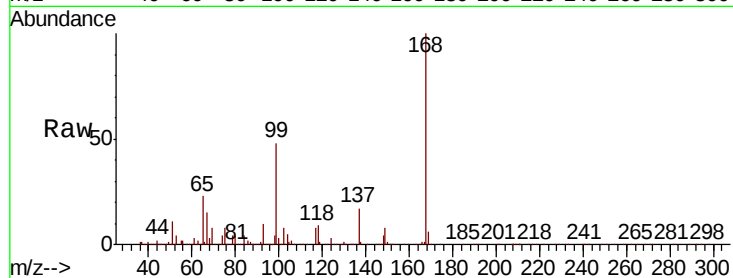
TP-7

Tot Ion:168 Resp: 659773

Ion Ratio Lower Upper

168 100

99 47.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

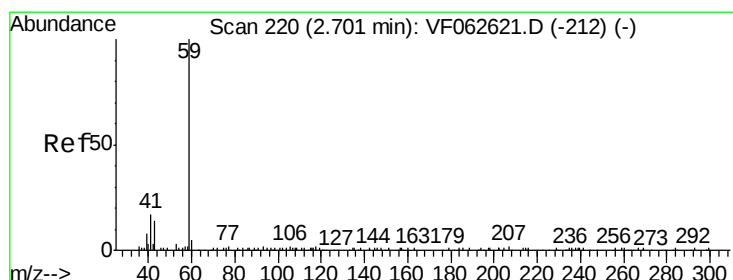
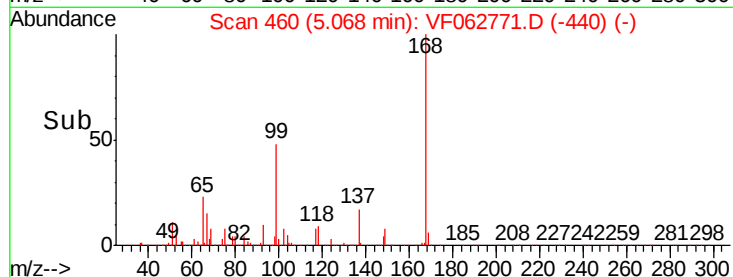
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.819 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF062771.D

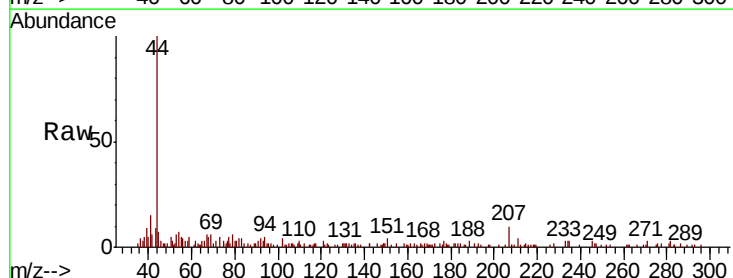
Acq: 28 May 2019 20:13

Tgt Ion: 59 Resp: 560

Ion Ratio Lower Upper

59 100

57 54.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

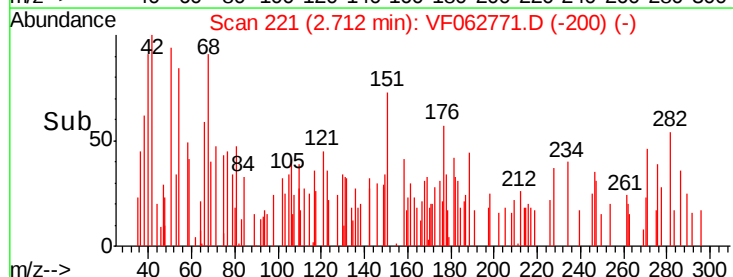
600

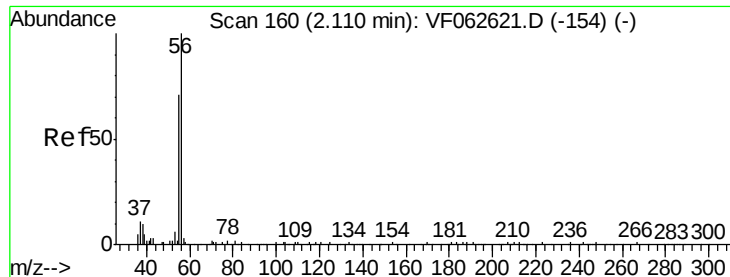
400

200

0

Time-->





#13

Acrolein

Concen: 2.191 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062771.D

Acq: 28 May 2019 20:13

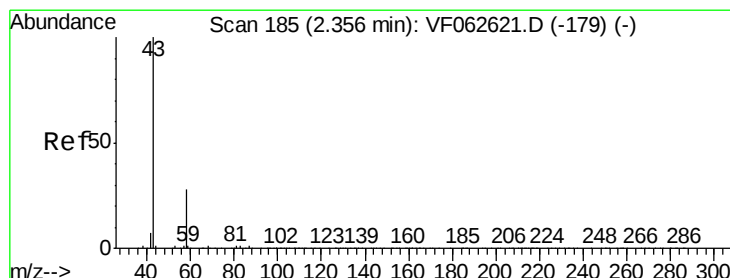
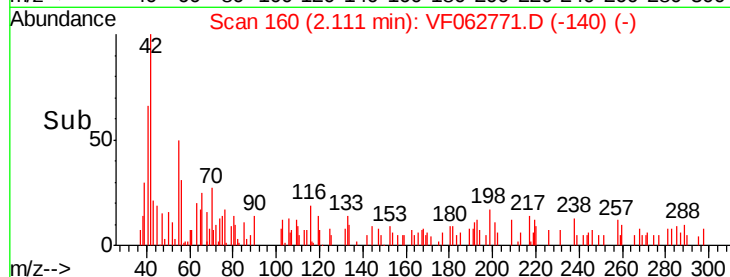
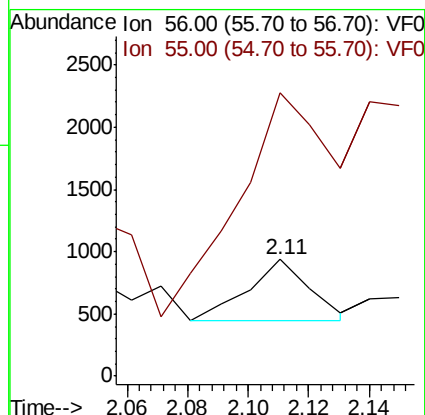
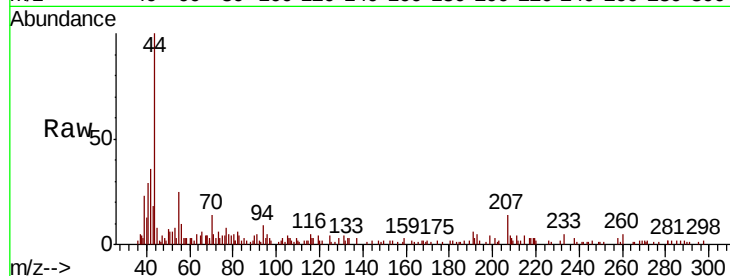
Instrument :
MSVOA_F
ClientSampleId :
TP-7

Tot Ion: 56 Resp: 704

Ion Ratio Lower Upper

56 100

55 242.9 59.4 89.0#



#16

Acetone

Concen: 3.795 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.14 min

Lab File: VF062771.D

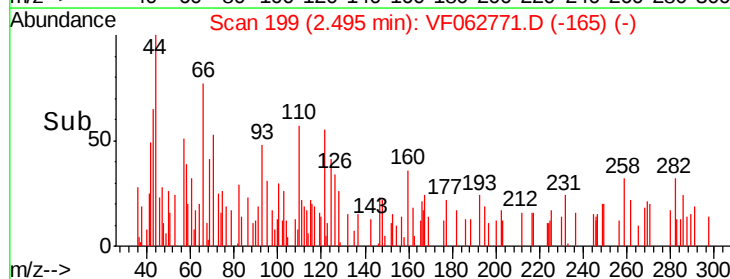
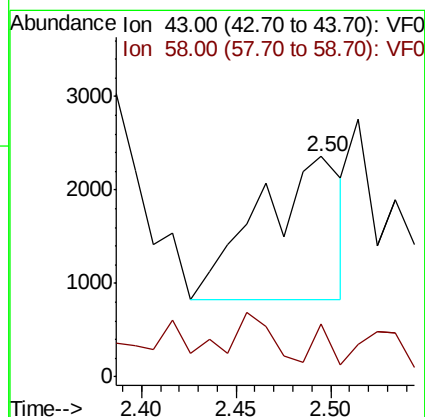
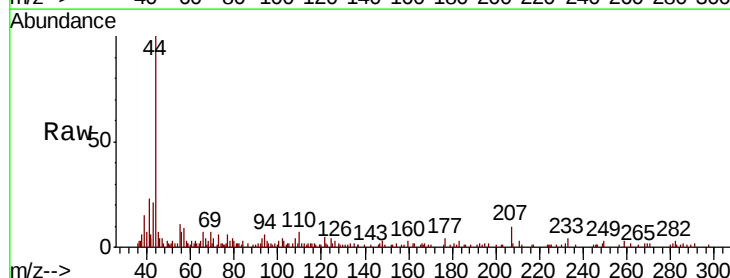
Acq: 28 May 2019 20:13

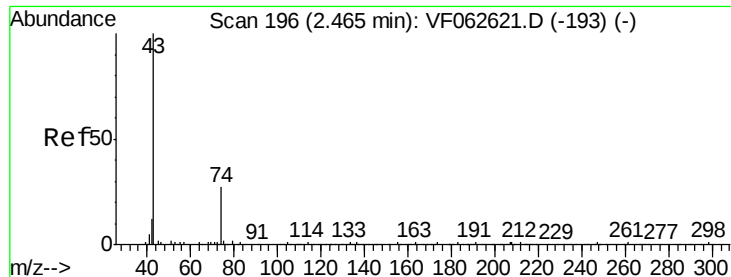
Tgt Ion: 43 Resp: 4590

Ion Ratio Lower Upper

43 100

58 24.1 22.6 33.8

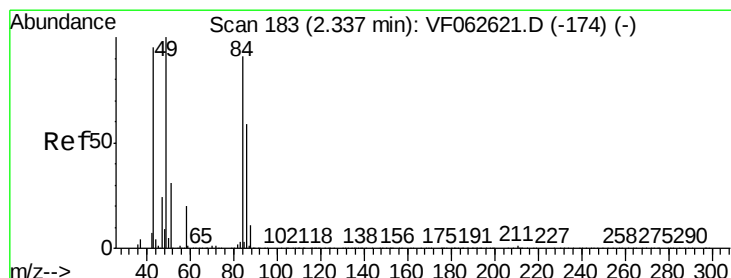
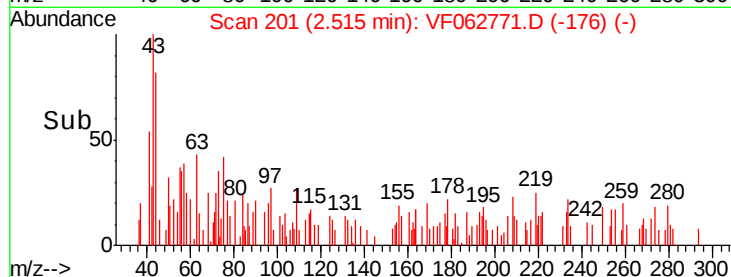
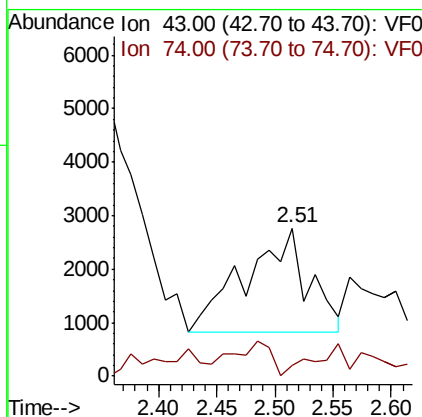
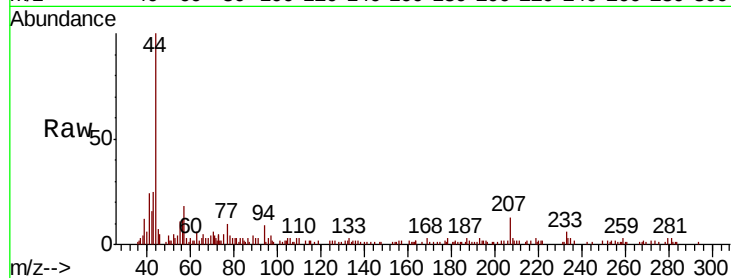




#18
Methyl Acetate
Concen: 3.792 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.05 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

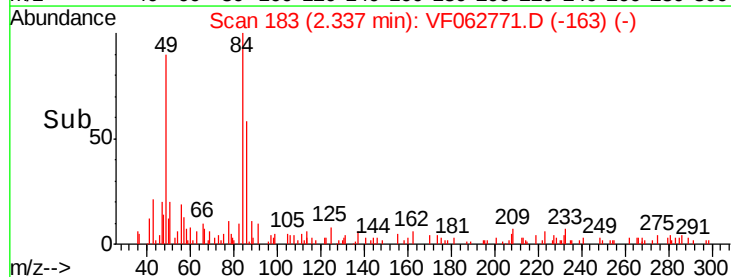
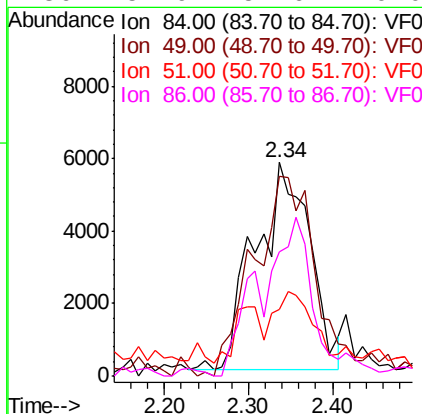
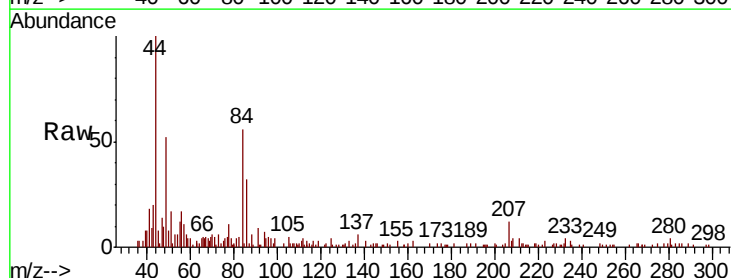
Instrument :
MSVOA_F
ClientSampled :
TP-7

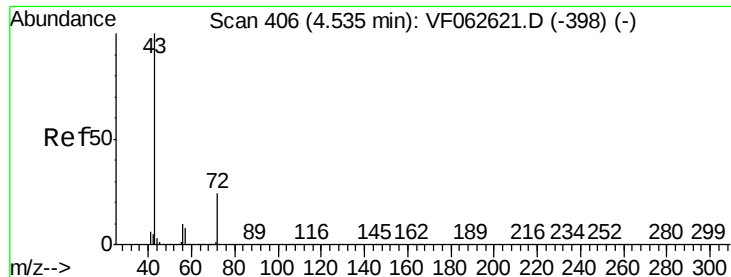
Tot Ion: 43 Resp: 7208
Ion Ratio Lower Upper
43 100
74 6.9 18.9 28.3#



#20
Methylene Chloride
Concen: 4.234 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

Tgt Ion: 84 Resp: 25672
Ion Ratio Lower Upper
84 100
49 93.5 89.8 134.8
51 31.2 28.4 42.6
86 57.9 52.6 79.0

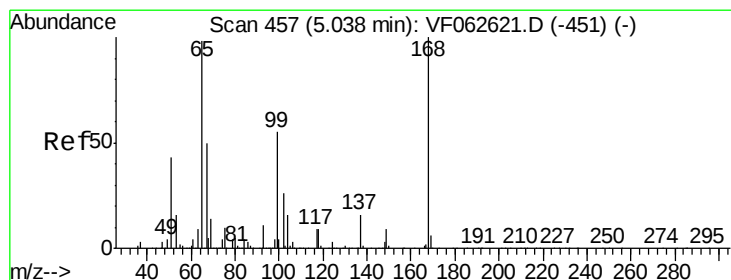
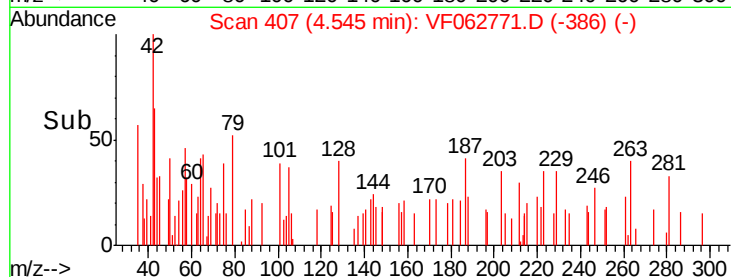
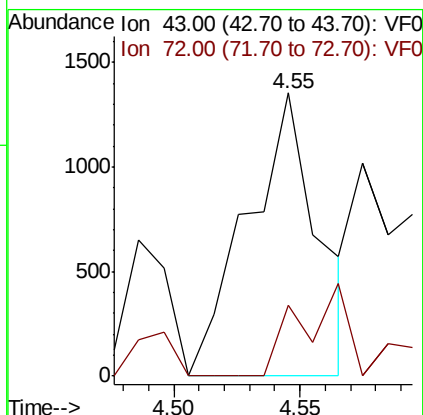
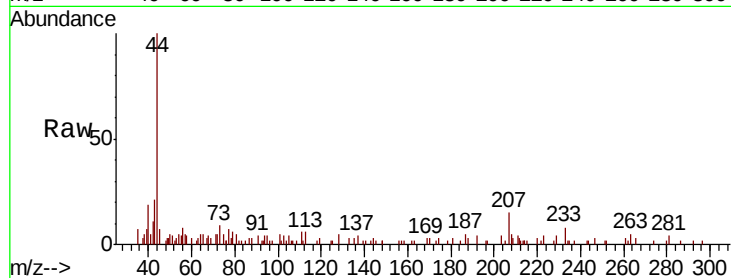




#25
2-Butanone
Concen: 1.019 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

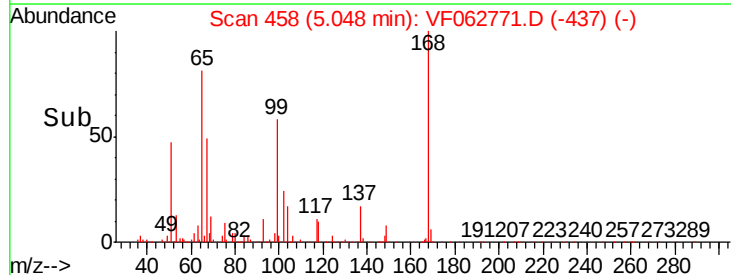
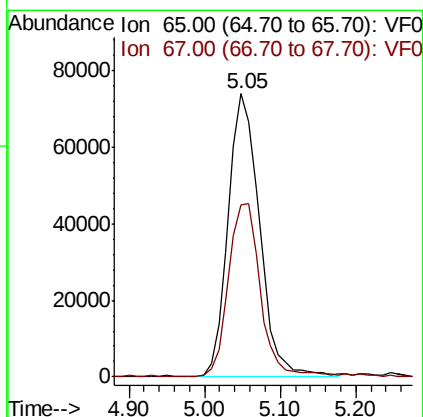
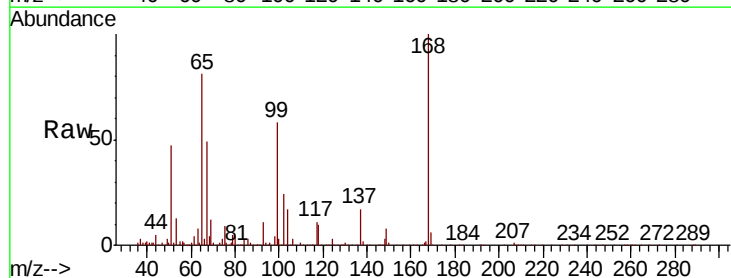
Instrument :
MSVOA_F
ClientSampled :
TP-7

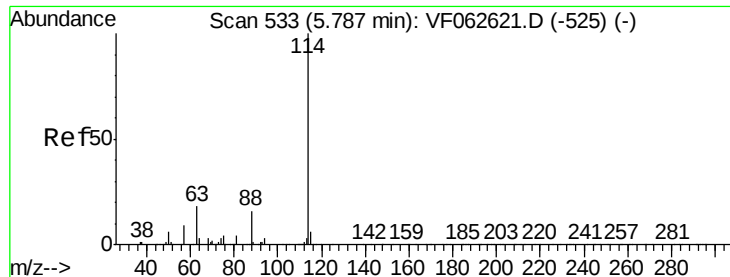
Tot Ion: 43 Resp: 2632
Ion Ratio Lower Upper
43 100
72 24.9 20.1 30.1



#33
1,2-Dichloroethane-d4
Concen: 45.589 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

Tgt Ion: 65 Resp: 212549
Ion Ratio Lower Upper
65 100
67 60.6 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062771.D

Acq: 28 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

TP-7

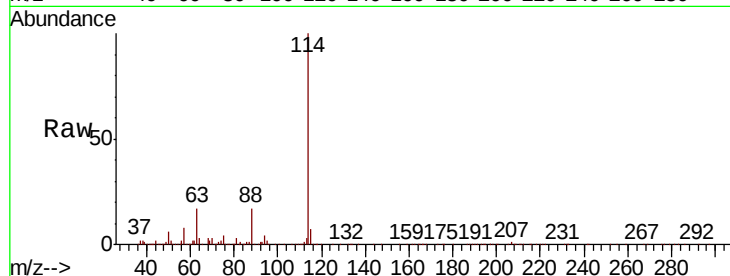
Tot Ion:114 Resp: 1107872

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

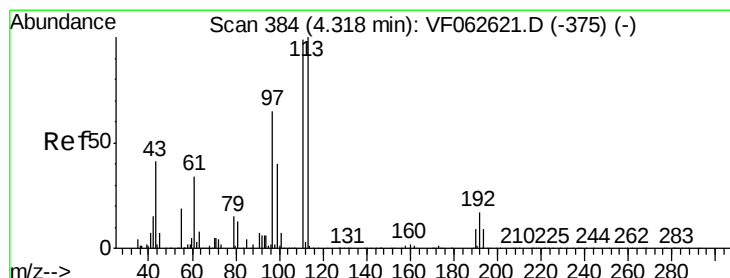
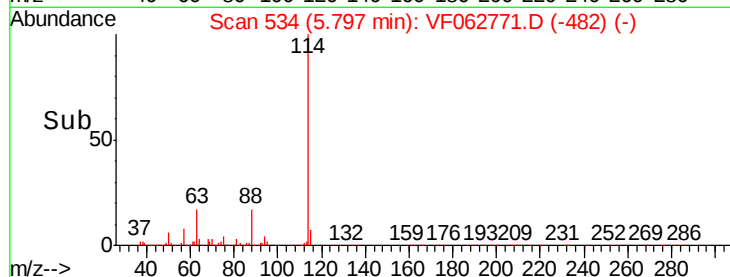
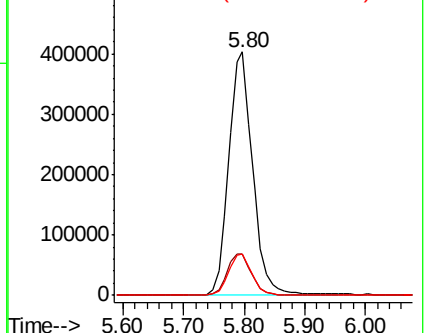
88 16.8 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 46.325 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062771.D

Acq: 28 May 2019 20:13

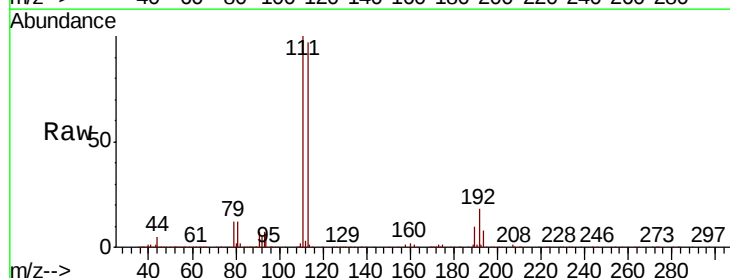
Tgt Ion:113 Resp: 392715

Ion Ratio Lower Upper

113 100

111 103.3 79.4 119.2

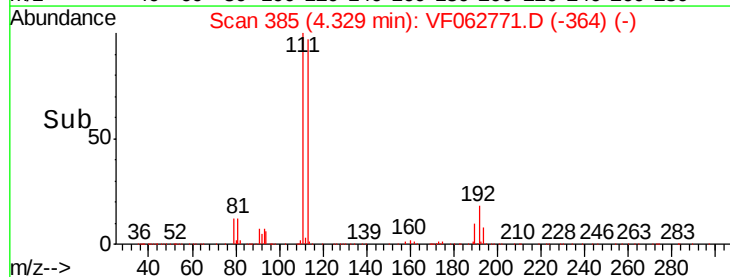
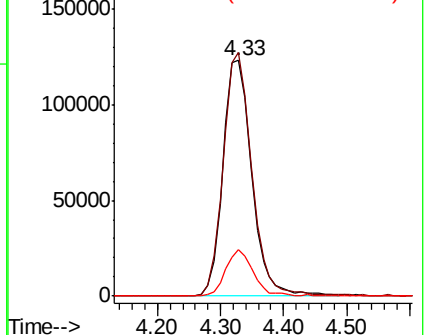
192 19.7 13.4 20.2

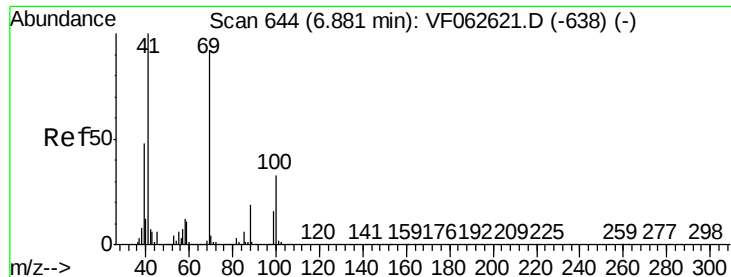


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

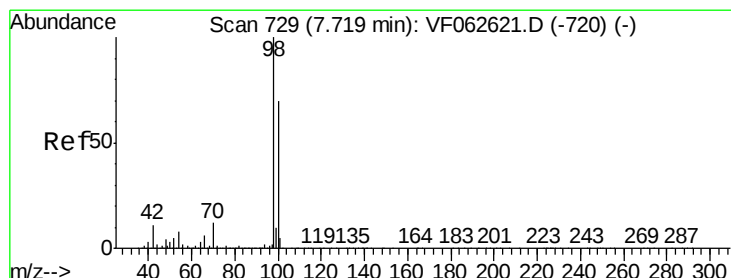
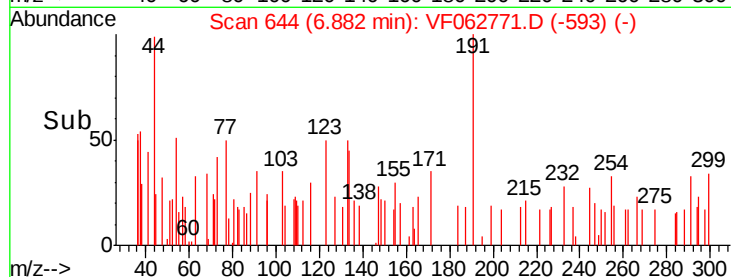
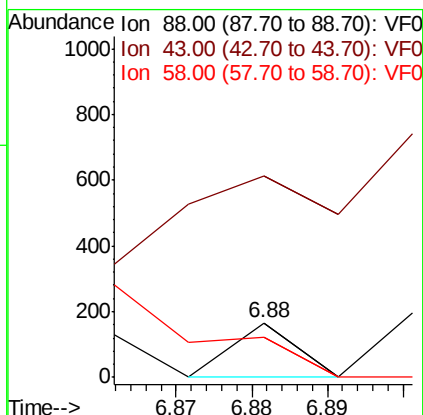
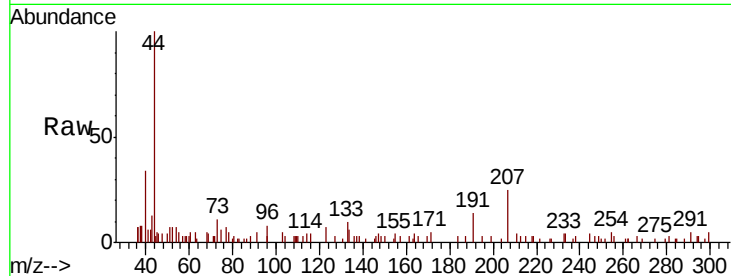




#49
1,4-Dioxane
Concen: 2.438 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

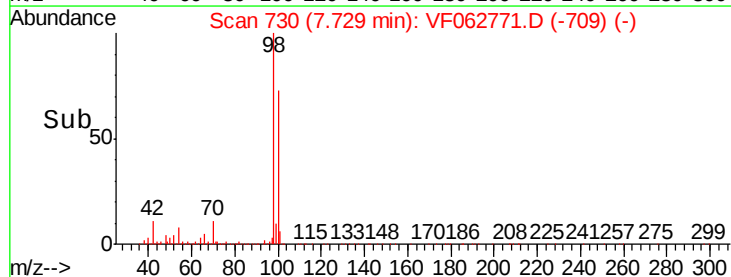
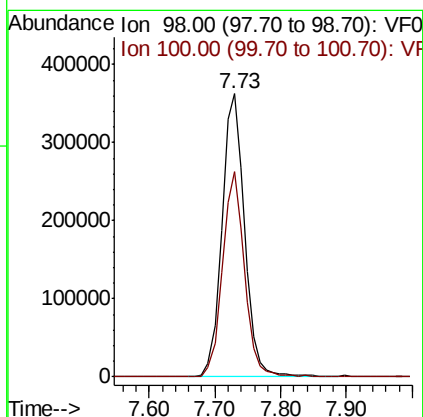
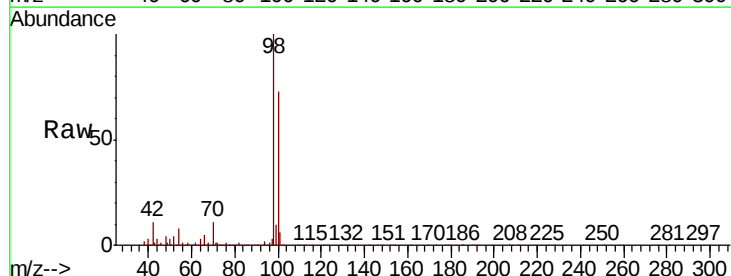
Instrument :
MSVOA_F
ClientSampled :
TP-7

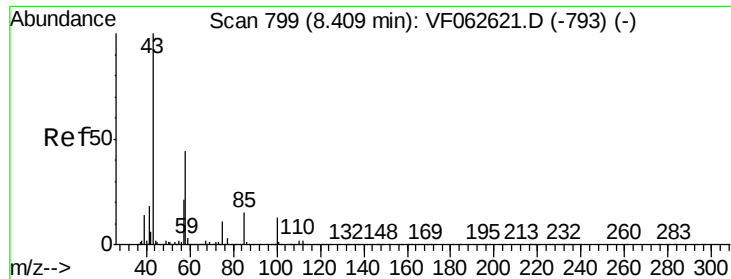
Tot Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 369.3 30.0 45.0#
58 74.1 51.1 76.7



#50
Toluene-d8
Concen: 43.145 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

Tgt Ion: 98 Resp: 873305
Ion Ratio Lower Upper
98 100
100 72.8 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.027 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062771.D

Acq: 28 May 2019 20:13

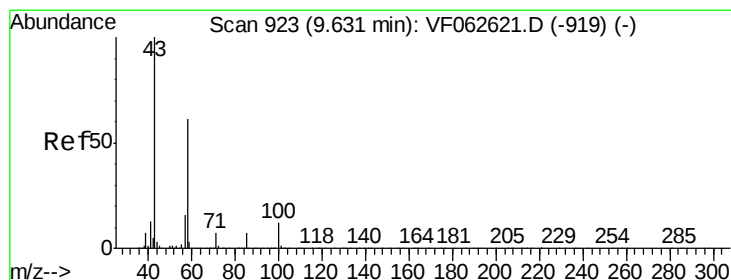
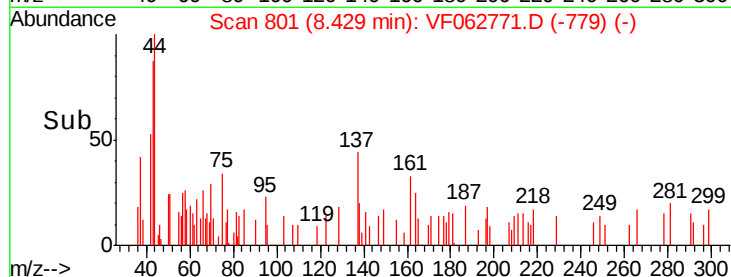
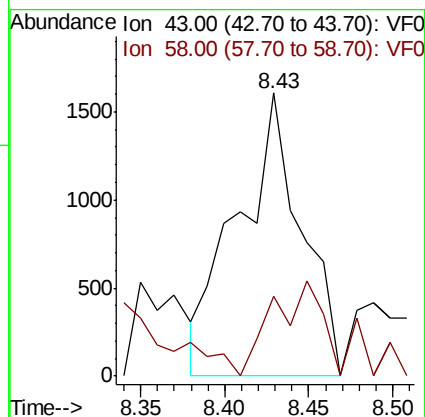
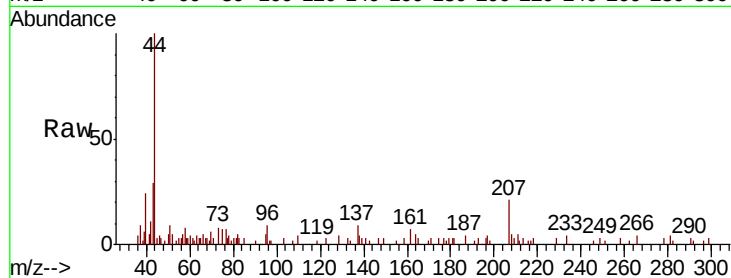
Instrument :
MSVOA_F
ClientSampleId :
TP-7

Tot Ion: 43 Resp: 4217

Ion Ratio Lower Upper

43 100

58 28.1 34.9 52.3#



#59

2-Hexanone

Concen: Below Cal

RT: 9.69 min Scan# 929

Delta R.T. 0.06 min

Lab File: VF062771.D

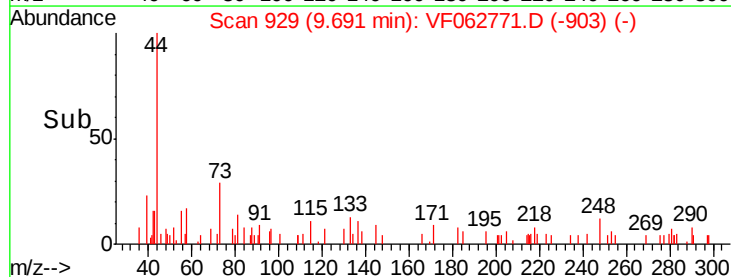
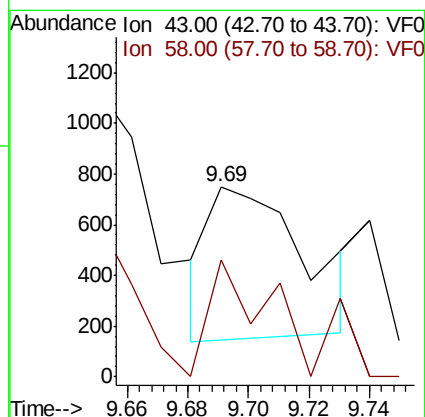
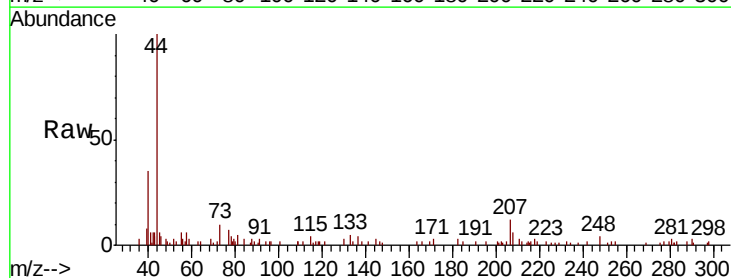
Acq: 28 May 2019 20:13

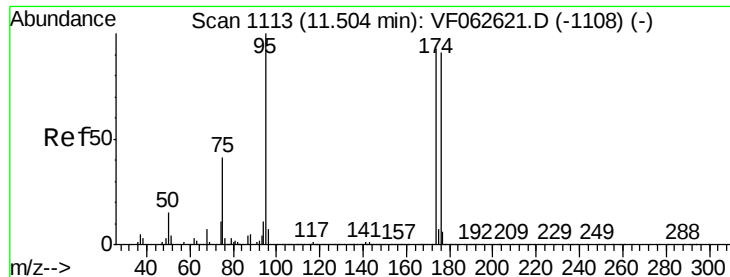
Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

58 61.5 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 40.868 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062771.D

Acq: 28 May 2019 20:13

Instrument :

MSVOA_F

ClientSampled :

TP-7

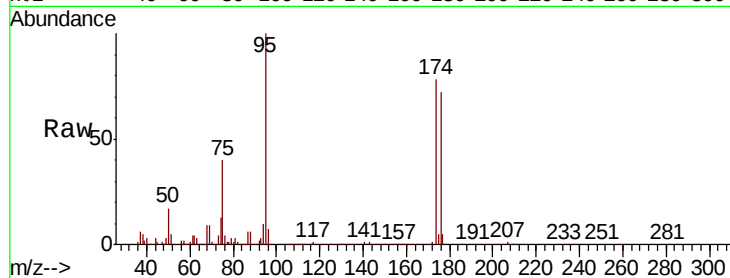
Tot Ion: 95 Resp: 313734

Ion Ratio Lower Upper

95 100

174 77.8 0.0 185.6

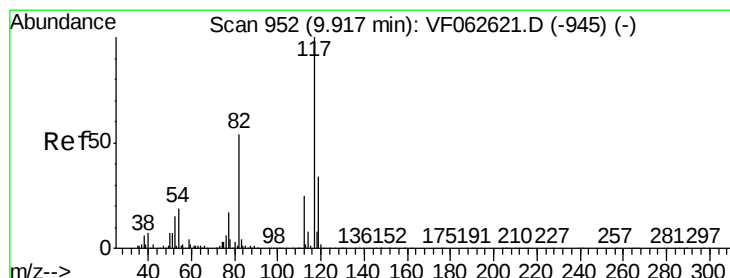
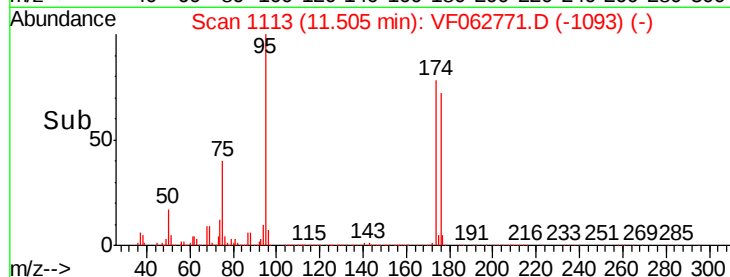
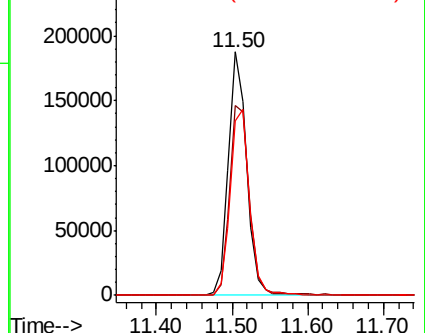
176 71.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF062771.D

Acq: 28 May 2019 20:13

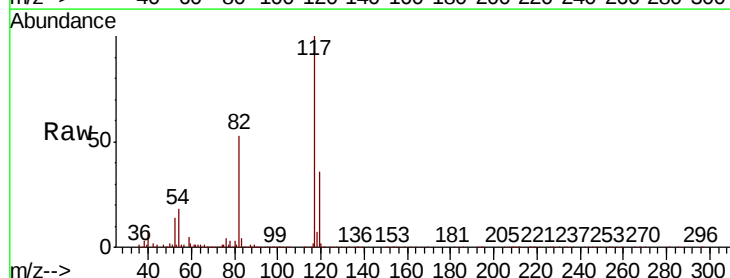
Tgt Ion: 117 Resp: 853719

Ion Ratio Lower Upper

117 100

82 53.3 43.3 64.9

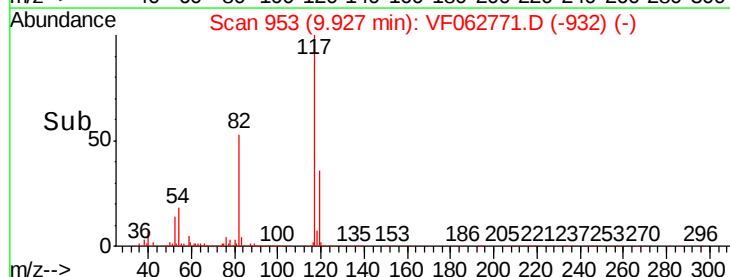
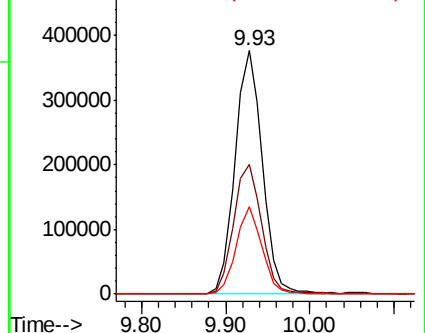
119 35.9 27.4 41.0

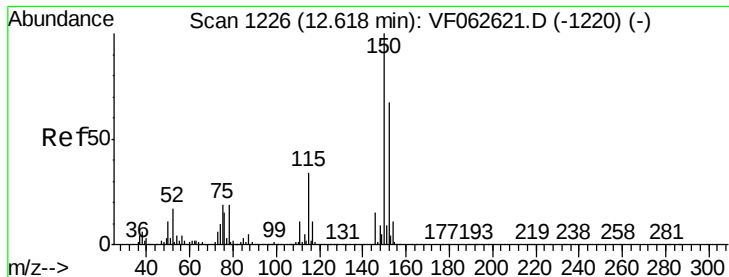


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



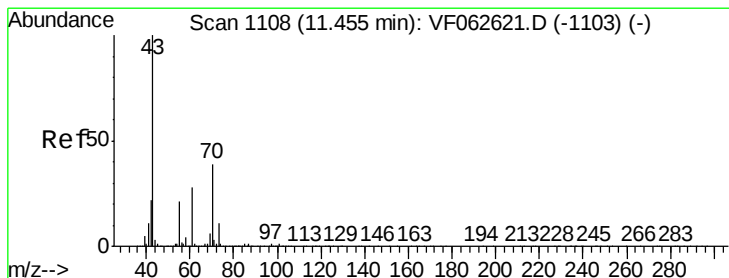
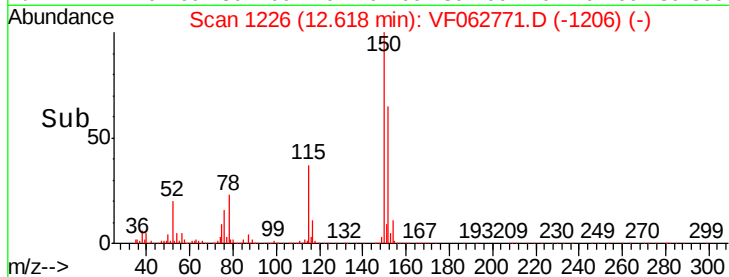
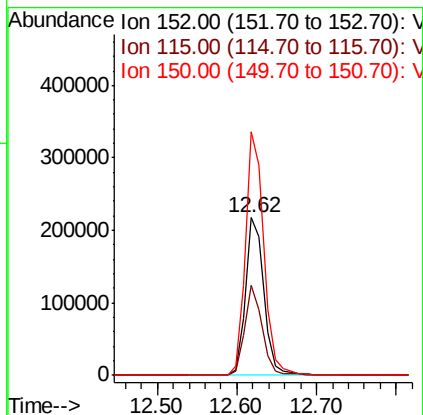
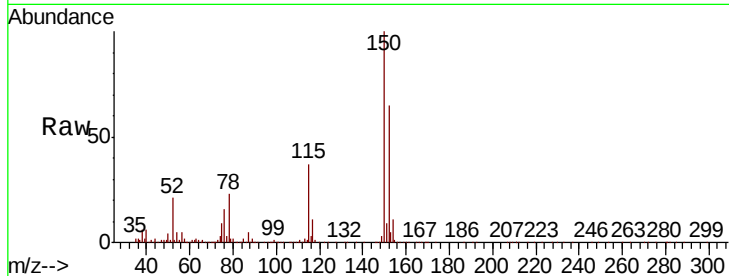


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

Instrument :
MSVOA_F
ClientSampled :
TP-7

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	25.2	75.6
150	154.4	0.0	306.2



#74

N-amil acetate
Concen: Below Cal
RT: 11.44 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VF062771.D
Acq: 28 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	23.1	17.0	25.4
61	0.0	22.6	34.0#

